

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Toas and Knapp

Confirmation No. 5057

Serial No.: 10/772,063

Group Art Unit: 1771

Filed: February 4, 2004

Examiner: Matzek, Matthew D.

For: Insulation Product Having Antimicrobial/Antifungal Facing, Facing for Same,
and Process for Making Same

I CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED
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ON

BY

December 15, 2004
Mary La Grange

M.S. Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Enclosed herewith is an Information Disclosure Statement pursuant to 37 CFR. § 1.56 in connection with the above-identified application, which statement is being filed:

☐ Together with the present application.

☐ Before the first Office Action on the merits or three (3) months from the filing date of this application, whichever occurs last. [37 CFR § 1.97(b)]

☒ After the first Office Action on the merits, but before a Final Office Action under §1.113 or Notice of Allowance under §1.311, whichever occurs first. [37 CFR §1.97(c)]. (Either the fee or certification is provided, as set forth below).

☐ After a Final Office Action under §1.113 or Notice of Allowance under §1.311, but prior to or with payment of the Issue Fee. [37 CFR §1.97(d)]. The fee and certification are provided, as set forth below).

Consistent with Applicant's obligations pursuant to 37 CFR §§1.97 and 1.98, the following requirements have been met:

☐ No separate requirements are needed.

☐ No additional fee is required.

Fee Under 37 CFR § 1.97(c) or 1.97(d)

☐ The fee of \$180.00 for submission of an IDS under § 1.97(c) as set forth in § 1.17(p) accompanies this statement.

☒ The Commissioner is hereby authorized to charge the fee of \$180.00 for submission of an IDS under § 1.97(c) as set forth in § 1.17(p) to Deposit Account No. 04-1679.

Certification Under 37 CFR § 1.97(e)

The undersigned certifies:

☐ 1 that each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or

☒ 2 that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

Provision of Copies of References

☐ A copy of each of the references listed on the attached Form PTO-1449 is enclosed herewith and forms a part hereof.

☐ A translation of Reference ____ is enclosed herewith and forms a part hereof.

☐ A copy of the European Search Report from a corresponding or related EPO application is enclosed herewith.

☐ A copy of the International Search Report from a corresponding or related PCT application is enclosed herewith.

☐ Copies of Foreign Patent Documents and Other Documents provided.

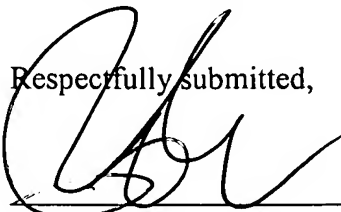
Identification of Prior Application(s) In Which Listed Information Was Already Cited And For Which No Copies Are Submitted Or Need Be Submitted

[] This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior U.S. Application No(s). , filed . The following references were submitted to, and/or cited by, the Office in the prior application(s) and therefore are not required to be provided in this application:

The Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. 04-1679.

Date: 12.15.04

Respectfully submitted,


Peter J. Cronk
Registration No. 32,021

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> Sheet 1 of 1	ATTY. DOCKET NO. D0932-00447	APPLICATION NO.
	FIRST NAMED APPLICANT	EXAMINER
	FILING DATE	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	DOCUMENT NUMBER	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	A	6,399,694	McGrath et al.	Jun 4, 2002	
	B	4,764,420	Gluck et al.	Aug 16, 1988	
	C	3,998,944	Long	Dec 21, 1976	
	D				
	E				
	F				
	G				
	H				

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	Office	DOCUMENT NUMBER	COUNTRY	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T

OTHER DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.
EXAMINER SIGNATURE		DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> Sheet 1 of 2	ATTY. DOCKET NO. D0932-00447	APPLICATION NO. 10/772,063
	FIRST NAMED APPLICANT Toas, Murray	EXAMINER Matzek, Matthew D.
	FILING DATE February 4, 2004	GROUP 1771



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EXAMINER INITIALS	Cite No.	Office	DOCUMENT NUMBER	COUNTRY	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T
	A		WO 99 426	PCT	1999-08-26	Abstract	
	B		02211519	Great Britain	July 5, 1989	Abstract	
	C		048317	Hungary	1989-95-29	Abstract	
	D		01031738A	China	1989-03-15	Abstract	
	E		1271795	China	2000-11-01	Abstract	
	F		1270254	China	2000-10-18	Abstract	
	G		2002 37789	Japan	2002-02-06	Abstract	
	H		2001288697	Japan	2001-10-19	Abstract	
	I		20011271293	Japan	2001-10-02	Abstract	
	J		2000248495	Japan	2000-09-12	Abstract	
	K		2000248488	Japan	2000-09-12	Abstract	
	L		2000192396	Japan	2000-07-11	Abstract	
	M		2000119995	Japan	2000-04-25	Abstract	
	N		2000110099	Japan	2000-04-18	Abstract	
	O		2000 93345	Japan	2000-04-04	Abstract	
	P		2000086413	Japan	2000-03-28	Abstract	
	Q		2000080596	Japan	2000-03-21	Abstract	
	R		1133596	Japan	1999-12-07	Abstract	

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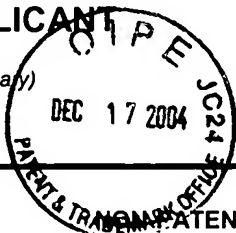
Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> Sheet 2 of 2	ATTY. DOCKET NO. D0932-00447	APPLICATION NO. 10/772,063
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	S		11256494	Japan	1999-09-21	Abstract	
	T		11222796	Japan	1999-08-17	Abstract	
	U		11181697	Japan	1999-07-06	Abstract	
	V		11061697	Japan	1999—03-05	Abstract	
	W		343796092	Japan	Nov 30, 1992	Abstract	
	X		73295092	Japan	Mar 9, 1992	Abstract	
	Y		199497091	Japan	Aug 30, 1991	Abstract	
	Z		12799088	Japan	Jan 20, 1988	Abstract	
	AA		47900086	Japan	Mar 8 1986	Abstract	

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> Sheet 1 of 3	ATTY. DOCKET NO. D0932-00447	APPLICATION NO. 10/772,063
	FIRST NAMED APPLICANT Toas	EXAMINER Matzek, Matthew D.
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PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.
	A	DAISAN, Sanitary & Paper Products: "Kokin Mask", New Cosmetic & Household Products in Japan, 1998-07-15, ISSN 0362-4331, Abstract, Japan
	B	Research & Development: Totsuya Enters Antibacterial Packaging Business, New Cosmetic & Household Products in Japan, 1998-04-15, ISSN 0362-4331, Abstract, Japan
	C	Antibacterial Washi Paper for Japanese-Style Dinner Tray, Innovative New Packaging in Japan, 1997-07-15, Abstract, Japan
	D	Antibacterial Paper Finds First Use as a Food Container, Innovative New Packaging in Japan, 1997-07-15, Abstract, Japan
	E	Atech's Antibacterial Japanese-style Catching Notice, Innovative New Packaging In Japan, 1997-06-15, Abstract, Japan
	F	Totsuya Enters Antibacterial Packaging Business, Innovative New Packaging in Japan, 1997-06-15, Abstract, Japan
	G	Shellfish paper additive developed, Pulp & Paper, 1994-11-00, p.29, ISSN 0033-4081, Abstract, Japan
	H	Adaptation to fungicides of fungi damaging paper, Int. Biodeterior. Biodegrad., 2001, V 48, No. 1-4, pp 225-262, ISSN 0964-8305, Heading Info.
	I	OKAZAKI, Industrial outlook on high-performance paper, Kinoshi Kenkyu Kaishi, 1999, V38, pp 93-101, Heading Info
	J	ZHENG, Stabilization of chlorine dioxide and its use as bactericides and paper bleaching agent, Huaxue Shijie, 2000, V41, No. 5, pp 235-236, 244, Heading Info
	K	KLEEMAN, Biocides in the production of packaging papers, Papermakers Conference Proceedings, 1999, V2, pp 805-812, Abstract
	L	Effect of chitosan surface treatment on the antibacterial properties of paper, Palpu, Chongi Gisul, 1998, V 30, No. 4, pp 59-68, Korea, Heading Info
	M	New bactericide far more effective for paper use, Jpn. Chem. Week. 93-07-29, V34, No. 1735, p 2, ISSN 00471755, Abstract, Japan
	N	Cleaner Paper Making with Fungus Enzyme, Paper Asia, 97-09-01, p. 4, Abstract
	O	RICELLI, et al., Fungal growth on samples of paper, Restaurator, 1999, 20, no. 2, pp 97-100, Abstract

EXAMINER SIGNATURE	DATE
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P	HAACK et al., Tetrakis(hydroxymethyl) Phosphonium Sulfate (THPS), Conference Literature, 10/6/1997, pp 1115-1120, TAPPI Press, Abstract UK
Q	MAKUSHINA, Possibility of Using Tall-Oil in the Production of Decay-Resistant Waxed Paper, Sbornik Nauchnykh Trudov UrkNIIB, Lozovik, Ed, 1990, pp 146-152, Abstract
R	Standard Test Methods for Mildew (Fungus) Resistance of Paper and Paperboard, Annual Book of ASTM Standards, 1993, V15.09: pp 360-363, Abstract
S	Fungus Resistance of Paper and Paperboard, TAPPI Test Method, 1993, Abstract
T	WOO, Antibacterial and Antifungal Control in the Process of Pulp and Paper Manufacture, J. Tappik, 1990, V22, no. 3, pp 64-74, Abstract, Korea
U	MA et al., Shanghai Pulp Pap., Sept. 1990, Abstract, China
V	MARCONI, et al., Development of Cellulolytic Fungi in Relation to pH, Boll. Ist. Centrale Patol. Libro, 1986, V40, pp 125-144, Abstract, Italy
W	AITKEN, et al., Paper and Paperboard Resistance to Fungi, Rev. ATIP, March 1989, V43, no. 3:94, pp 105-108, Abstract, France
X	OSANOV et al., Paper and Paperboard in Tropical Climatic Conditions, Sb. Tr. TsNIIB, Novoe Proizvod. Bumagi, 1985, pp 73-80, Abstract, Russia
Y	Fungus Resistance of Paper and Paperboard, TAPPI Provisional Test Method, 1985, Heading Info.
Z	CHIOU et al., Study on the Fungal Resistance of Paper, Bull. Taiwan Forestry Res. Inst., July 1983, No. 392, pp 1-6, Abstract, China
AA	ZAGULYAEVA, et al., Some Organic Tin Compounds and Fungus Resistance of Paper, Problemy Sokhrannosti Dokumental'nykh Materialov, 1977 pp 77-78, Abstract, Russia
BB	ZAGULYAEVA, et al., Method of Obtaining Fungus-Resistant Paper, Problemy Sokhrannosti Dokumental'nykh Materialov, 1977 pp 72-74. Abstract. Russia
CC	ZAGULYAEVA, et al., Method for Determining the Fungus Resistance of Paper, Problemy Sokhrannosti Dokumental'nykh Materialov, 1977 pp 68-72, Abstract. Russia
DD	CERVIO, Fungus-Resistant Papers and Boards, Carotec. Imballagio, Sept. 1982, V 2, No. 6, pp 38-42, Abstract, Italy
EE	TROBAS, Damage to Paper and Parchment – Causes and Cure (Conclusion), Bindetech, Reliure, April 1980, V 2, No. 4, pp 99-105, Abstract, France

EXAMINER SIGNATURE	DATE
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> Sheet 3 of 3	ATTY. DOCKET NO. D0932-00447	APPLICATION NO. 10/772,063
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	FF	NYUKSHA et al., Use of Enzyme Preparations to Evaluate the Fungus Resistance of Paper, Mikol. Fitopatol., 1977, V11, no. 5, pp 393-398, Abstract, Russia
	GG	SHEMA, Registration of Microbicides Used in the Pulp and Paper Industry, Conference Literature, June 1980, Tappi V63, no. 6, pp 59-60, Abstract, US
	HH	MINAMI et al., Analytical Procedures for 2-(4-thiazolyl)Benzimidazole Fungicide in Treated Papers, Bokin Bobai (Bactericides & Fungicides), 1978, V6, No. 1, pp 3-8, Abstract, Japan
	II	SURMA-SLSARSKA, Biotechnology and developments in the pulp and paper industry, 13 th International Papermaking Conference Sept 22-24, 1999, pp IV-7-1-IV-7-17, Abstract, Poland
	JJ	LEE et al., Manufacture of antimicrobial paper for food products, Pre-symposium of the 10 th ISWPC, June 2-4, 1999, pp 217-220, Abstract, Korea
	KK	Progress Energy, Insulation/R-Values, Trade Literature, 10/15/2004, pp 1-3
	LL	FurnaceCompare, Insulation and R-Values, Trade Literature, 10/15/2004, pp 1-2
	MM	Cascades, Kraft Paper, Trade Literature, 10/15/2004, p.1

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